ABSTRACT

A method and a blank for producing artificial dental crowns and/or dental bridges which can fit on at least one prepared stump. The three-dimensional outer and inner surfaces of a positive model of the base frame for the dental crowns and/or for the dental bridges are scanned and digitized. The determined data is linearly expanded around a factor (f), said factor exactly compensating the sinter shrinkage, in all spatial directions. The data is also transmitted to the control electronics of at least one processing machine for processing the blank made of porous ceramic, and the appropriate tool paths are derived therefrom. Material which is temporally decoupled from the digitization is removed from the blank by means of control commands for the tools. Said material is removed until an enlarged finished form of the positive model is produced. This enlarged base frame is tightly sintered to the base frame with direct final measures. Finally, the base frame is individualized by enameling with a coating material made of porcelain or plastic. An information code which is provided for the enlargement factor (f) and which can be detected by a mechanical or human sense organ is placed on the ceramic blank, the packaging thereof, a label or on an instruction leaflet.